

To: Cope, Ben[Cope.Ben@epa.gov]
Cc: Owens, Kim[Owens.Kim@epa.gov]; Seyfried, Erin[Seyfried.Erin@epa.gov]; Mayers, Timothy[Mayers.Timothy@epa.gov]
From: Shaw, Hanh
Sent: Fri 6/20/2014 11:08:41 PM
Subject: FW: Shell Information Regarding Mud Line Cellar Construction and ODCE Analyses
2014-06-18 Shell MLC ROV.pdf

Attachment Withheld Pending CBI Determination

Hi Ben,

I am writing to request your help to review the attached document, recently submitted by Shell proposing to use different technologies to construct mudline cellars in the Chukchi Sea. The original technology, which we modeled and evaluated in the ODCE, includes using a large drill bit to construct a 40'x20' mudline cellar. The new technologies would involve construction using a remote operated vehicle, as described in further detail in the document. Recall that in the Arctic, mudline cellars are necessary to protect the blowout preventer and well head from damage by ice keels.

Non-Responsive

Hanh

From: Owens, Kim
Sent: Thursday, June 19, 2014 1:08 PM
To: Opalski, Dan; Soderlund, Dianne; Lidgard, Michael; Shaw, Hanh
Cc: Steiner-Riley, Cara
Subject: FW: Shell Information Regarding Mud Line Cellar Construction and ODCE Analyses

Attached is the anticipated information from Shell on mudline cellar construction and use of a new technology not identified when we issued the exploration permit.

From: Iani, L. John (Perkins Coie) [<mailto:JIani@perkinscoie.com>]
Sent: Thursday, June 19, 2014 10:15 AM
To: Owens, Kim
Cc: Lance.Tolson@shell.com; Greg.Horner@shell.com
Subject: Shell Information Regarding Mud Line Cellar Construction and ODCE Analyses

Good Morning Kim,

Attached please find Shell's Technical Memorandum and supporting analyses of its proposed construction of Mud Line Cellars (MLC) utilizing the "digger" technology Shell described to the Region earlier. We have labeled this information as Confidential Business Information (CBI) because Shell's analyses is unique to its exploration strategy. We look forward to hearing from you regarding this information and please let me know if there are others at Region 10 who should receive these documents.

Thank you,

John

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